

■ Datasheet: Thermal Overload Relay CUBICO Mini



■ SCHRACK-INFO

- Matching on contactor series CUBICO Mini
- Plug-in type
- Included auxiliary contacts

■ Features

- Phase failure protection
- Manual and automatic reset
- Temperature compensation
- Included auxiliary contacts
- Tripping indicator
- Test—and Stop-button

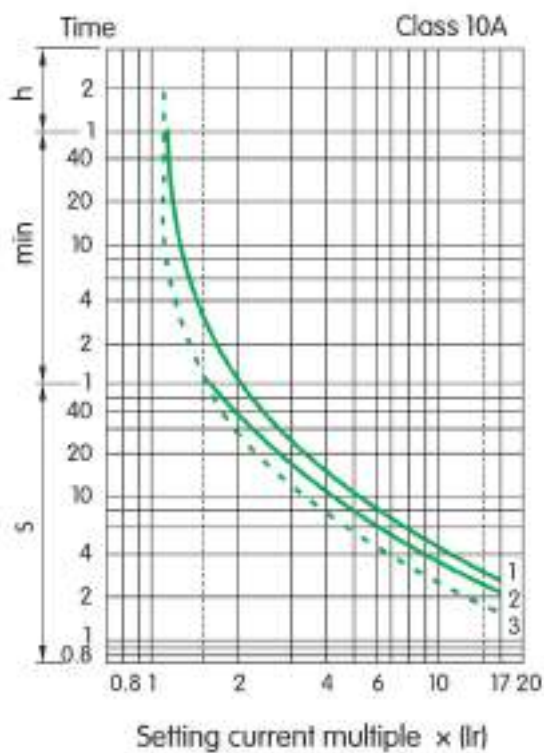
■ Technical datas

Standard	IEC/EN 60947-4-1
Rated insulation voltage	690V AC
Rated frequency	50/60Hz
Rated impulse withstand voltage	6 kV
Overvoltage category	III
Rated current	0,1A - 13A
Tripping class	Class 10A

Rated Current I_N	0,1 - 0,16 A	
	0,16 - 0,25 A	
	0,25 - 0,4 A	
	0,4 - 0,63 A	
	0,63 - 1 A	
	1 - 1,6 A	
	1,6 - 2,5 A	
	2,5 - 4 A	
	4 - 6 A	
	5,5 - 8 A	
	7 - 10 A	
9 - 13 A		
Model of matching contactor	LZDM06..	Contactor 3-pole, CUBICO Mini, 3 kW, 6 A
	LZDM09..	Contactor 3-pole, CUBICO Mini, 4 kW, 9 A
	LZDM12..	Contactor 3-pole, CUBICO Mini, 5,5 kW, 12 A
Specification of matching fuse	0,1 - 0,16 A	2 A gG/gL
	0,16 - 0,25 A	2 A gG/gL
	0,25 - 0,4 A	2 A gG/gL
	0,4 - 0,63 A	2 A gG/gL
	0,63 - 1 A	4 A gG/gL
	1 - 1,6 A	4 A gG/gL
	1,6 - 2,5 A	6 A gG/gL
	2,5 - 4 A	10 A gG/gL
	4 - 6 A	16 A gG/gL
	5,5 - 8 A	20 A gG/gL
	7 - 10 A	20 A gG/gL
9 - 13 A	25 A gG/gL	
Overload protection	$1,05 \times I_N$	No operation within 2h
	$1,2 \times I_N$	Operation within 2h
	$1,5 \times I_N$	Operation within 2min
	$7,2 \times I_N$	$2s < \text{Tripping} \leq 10s$
Mounting type	Plug-in type	
Auxiliary contact	1NO + 1NC	
Rated current of auxiliary contact	AC-15 230 V	2,61 A
	AC-15 400 V	1,5 A
	DC-13 220 V	0,2 A

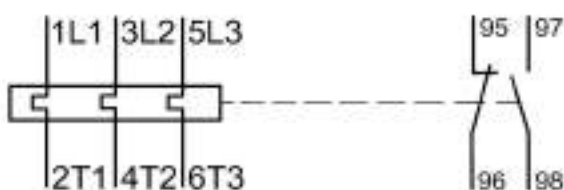
Terminal cross section Main circuit	
Single-core conductor	1 - 2,5 mm ²
Stranded conductor	1 - 2,5 mm ²
Terminal screw	M4
Terminal cross section Auxiliary circuit	
Single-core conductor	0,5 - 2,5 mm ²
Stranded conductor	0,5 - 2,5 mm ²
Terminal screw	M3,5

▀ Tripping characteristics

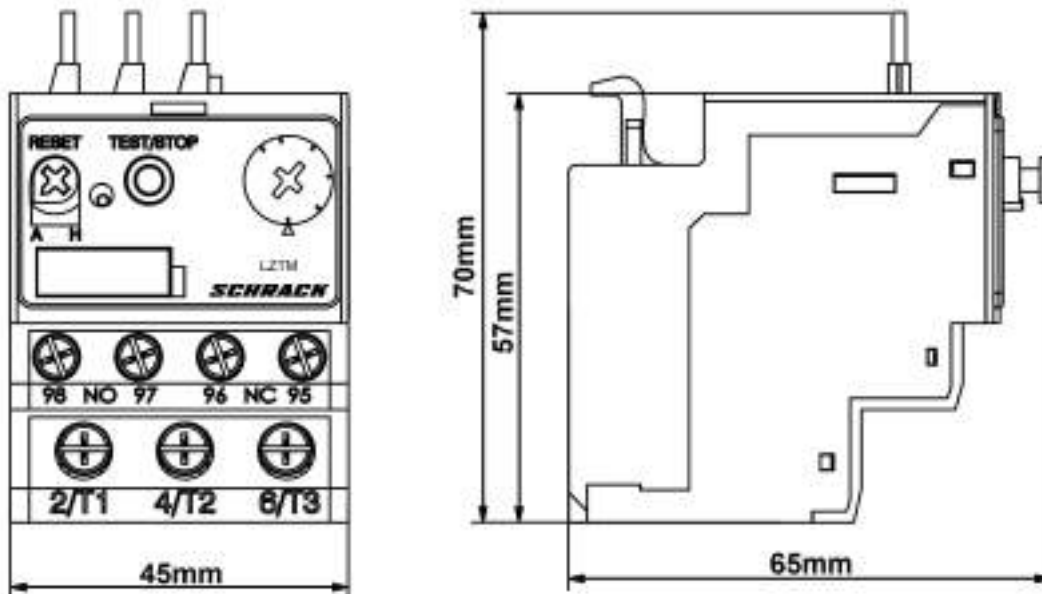


- 1-phase operation, cold state start
- 2-phase operation, cold state start
- 3-phase operation, cold state start

▀ Wiring diagram



▀ Dimensions



▀ Articles

Thermal Overload Relay CUBICO Mini

Description	order no.
Thermal Overload Relay CUBICO Mini, 0,1-0,16A	LZTM0016--
Thermal Overload Relay CUBICO Mini, 0,16-0,25A	LZTM0025--
Thermal Overload Relay CUBICO Mini, 0,25-0,40A	LZTM0040--
Thermal Overload Relay CUBICO Mini, 0,4-0,63A	LZTM0063--
Thermal Overload Relay CUBICO Mini, 0,63-1A	LZTM0100--
Thermal Overload Relay CUBICO Mini, 1-1,6A	LZTM0160--
Thermal Overload Relay CUBICO Mini, 1,6-2,5A	LZTM0250--
Thermal Overload Relay CUBICO Mini, 2,5-4A	LZTM0400--
Thermal Overload Relay CUBICO Mini, 4-6A	LZTM0600--
Thermal Overload Relay CUBICO Mini, 5,5-8A	LZTM0800--
Thermal Overload Relay CUBICO Mini, 7-10A	LZTM1000--
Thermal Overload Relay CUBICO Mini, 9-13A	LZTM1300--